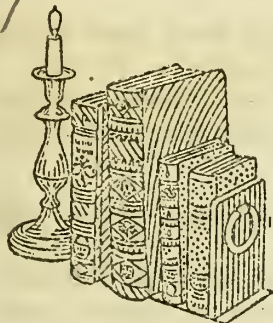


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December 1950.

"How many a man has dated a new era in his life from
the reading of a book." Henry David Thoreau.

BOOKS RECENTLY RECEIVED

MOISTURE REQUIREMENTS IN AGRICULTURE: FARM IRRIGATION, by H. B. Roe. McGraw-Hill, 1950. 413p. 55 R62

A guide to engineering, soil-science relationships, crop-type relations, and irrigation farm management. Gives the water requirements of different types of crops and methods of meeting those requirements efficiently. After a chapter on general considerations there are chapters dealing with sources and disposition of soil moisture, flow and measurement of water, interrelations of irrigation and drainage, the fundamental principles of irrigation and problems of agriculture under it, time of irrigation, use of water in irrigation, irrigation methods, irrigation structures and works for the farm, pumping in irrigation, et cetera.

PRACTICAL GRASSLAND MANAGEMENT, by B. W. Allred. Edited by H. M. Phillips and published by Sheep and Goat Raiser, San Angelo, Texas. 1950.

The author of this book is Regional Range Conservationist with the Soil Conservation Service in Fort Worth, Texas. The book "deals with the correct use and conservation of native and introduced grasses. The combined information in the 15 chapters of the book explains how grasses can be kept in a high state of productivity under correct grazing use.

Many of the important native and introduced grasses are described. Conservation grazing practices are discussed. Also, there are several examples of how landowners in soil conservation districts have made grassland conservation pay. ... Importance of grass for conservation is emphasized and seeding recommendations are given for 64 native and introduced grasses, including several important cultivated species. Included is a list of plant names, a glossary of range terms, a reference list and index." From the book jacket.

SOIL SCIENCE SOCIETY OF AMERICA. PROCEEDINGS, 1949. Vol. 14. 420p. 56.9
So3 1949

TEXTBOOK OF DENDROLOGY, by W. M. Harlow and E. S. Harrar. McGraw-Hill, 1950. 555p. 454 H22T Ed. 3

The purpose of the first edition of this book was to cover as many groups (genera) of trees as possible and to illustrate these with the species of greatest importance to forestry. The same procedure was followed in this third edition. The preface states: "Although there have been few if any detectable

changes in the trees themselves since the second edition of this book some eight years ago, the information about them has been increasing constantly. It was necessary, therefore, to make several hundred sometimes small, but usually significant, changes throughout the text." The book is well illustrated with photographic half-tones.

VERTICAL FARM DIVERSIFICATION, by D. Howard Doane. Univ. of Oklahoma Press, 1950. 184p.

This is an intriguing title. The uninitiated immediately wonders just what vertical farm diversification is. The author, one of America's best known farm management experts, does not let him wonder long, for in the first paragraph we read: "Vertical farm diversification is the handling of farm products by the producer for one or more steps beyond raw production. It may consist of transportation, packaging, processing, storing, or retailing by individual farmers or by co-operating groups of farmers. It starts with the completion of production and may follow through to the final consumer." In the remaining pages of the book Mr. Doane expands the idea of vertical farm diversification and answers many questions about it.

WATER, LAND, AND PEOPLE, by Bernard Frank and Anthony Netboy. Knopf, 1950. 331p. 292 F85

"With bold, masterly strokes the authors paint the dramatic picture of our mounting water troubles and the consequences for life in America. ... Water shortages, floods, and dust storms are not separate, unrelated events, but the more notorious symptoms of a process that is going on everywhere in the United States. Engineering solutions have been piecemeal and inadequate. Even the famous TVA is imperfect because it failed to adopt a watershed approach, and in the informed opinion of the authors nothing less will do. Their striking account of water problems is filled with fascinating local instances. ... The book ends with a series of specific recommendations for the solution of our water problems." From the book jacket.

SELECTED BULLETINS

Agricultural Economics

"The Balance Sheet and Current Financial Trends of Agriculture, 1950." USDA Agr. Inf. Bul. 26. 1950. 46p. 1 Ag84Ab 26

"Efficiency in Public Soil Conservation Programs," by E. C. Heady. Iowa Agr. Expt. Sta. Prod. Econ. No. 3. 1950. 25p. 100 Io9P 3

"Resource and Revenue Relationships in Agricultural Production Control Programs," by E. O. Heady. Iowa Agr. Expt. Sta. Prod. Econ. No. 5. 1950. 21p. 100 Io9P 5

Agricultural Engineering

"Holding Water in Farm Ponds," by H. H. Holtan. SCS-TP-93. 1950. 10p. 1.96 Ad6Tp 93

"Plans for Cattle Feeders and Equipment," by C. V. Phagan and others. Okla. Agr. Ext. Ser. Cir. 540. 1950. 275.29 Ok41C 540

"A Trapezoidal Flume for Gaging Mountain Streams," by B. C. Goodell. Rocky Mountain Forest and Range Expt. Sta. Station Paper 2. 1950. 18p. 1.9622 R2St22 2

Conservation

"Conservation of Renewable Natural Resources in Relation to Economic Instability," by S. V. Ciriacy-Wantrup. Giannini Foundation Paper No. 123.

Extract from Proceedings of the Inter-American Conference on Conservation of Renewable Natural Resources, Denver, Colo., Sept. 7-20, 1948.

"The Meaning of Conservation," by M. B. Dickerman. Talk given at annual meeting of Western Farm Economics Association, Pullman, Wash., June 28, 1950. 8p.

"Soil Conservation Districts: Status of Organization, by States, Approximate Acreage, and Farms in Organized Districts." SCS July 1, 1950. 59p.
1.96 R27Sc

Forestry

"Improvement Cutting in a Mixedwood Stand," by E. G. Daly. Canada. Dept. of Resources and Development. Forestry Research Division. Silvicultural Leaflet 46. 1950. 4p. 99.9 C16S

"The Influence of Wood Structure on the Strength of Loblolly Pine Wood," by J. S. Bethel. N. C. State College. School of Forestry, Tech. Rpt. 3. 1950. 6p. 99.9 N811T

"Pelleted Seed for Reforestation," by P. O. Rudolf. Lake States Forest Expt. Sta. 1949. 7p. 1.9622 L2P36

"Returns from Pruning a Young Red Pine Plantation for Christmas Greens," by R. W. Lorenz and H. W. Fox. Ill. Agr. Expt. Sta. Dept. of Forestry. Forestry Note 18. 1950. 3p. 99.9 I162 18

"Seed and Seedbed Requirements to Regenerate Loblolly Pine," by K. B. Trousdell. Southeastern Forest Expt. Sta. Station Paper 8. 1950. 13p. 1.9622 S4St22

"Strip Thinning with Tractor Winch, Saskatchewan," by M. Kastrukoff. Canada. Dept. of Resources and Development, Division of Forest Research, Silvicultural Leaflet 48. 1950. 2p. 99.9 C16S

"Tree Poisoning Facilitates Bark Removal," by R. G. DeMoisy. Wash., Institute of Forest Products, Cir. 9. 1950. 4p.

Grassland and Grazing

"Forest Grazing in the Piedmont," by C. M. Kaufman. N. C. State College. School of Forestry. Tech. Rpt. 2. 1950. 14p. 99.9 N811T 2

"Results of Winter Grazing Tests, 1949-50." Miss. Agr. Expt. Sta. Cir. 155. 1950. 16p. 100 M69C

"Some Records of Grassland Farming in Wisconsin and Minnesota," by O. E. Hays. SCS-TP-94. 1950. 9p. 1.96 Ad6Tp 94

Seed

"Mississippi Seed Industry," by W. E. Christian, Jr., and B. K. Doyle. Miss. Agr. Expt. Sta. Cir. 153. 1950. 14p. 100 M69C

"Rules and Regulations Under the Federal Seed Act." PMA Service and Regulatory Announcements, No. 156. 1950. 51p.

"Small Grain Breeders Seed Production and the Plant Breeder's Role," by A. M. Schlohuber. Okla. Agr. Expt. Sta. Mimco. Cir. M-206. 1950. 9p.
100 Ok4M 206

Sedimentation

"Annotated Bibliography on Sedimentation." Compiled under the auspices of Subcommittee on Sedimentation, Federal Inter-Agency River Basin Committee. Sedimentation Bul. No. 2. 1950. 351p.

"Inventory of Published and Unpublished Sediment-Load Data in the United States," Compiled under the auspices of Subcommittee on Sedimentation, Federal Inter-Agency River Basin Committee. Sedimentation Bul. No. 1. 1949. 82p.

Soil

"The Relation of Soil Texture to Soluble Salt Accumulation in 29 Irrigated Soils in Oklahoma," by H. J. Harper and O. E. Stout. Okla. Agr. Expt. Sta. Tech. Bul. T-39. 1950. 27p. 100 Ok4T T-39

"Salt Accumulation in Irrigated Soils: The Prospect in Oklahoma," by H. J. Harper and O. E. Stout. Okla. Agr. Expt. Sta. Bul. B-360. 1950. 14p. 100 Ok4B

"Soil Building With Legumes: Results from Illinois Soil Experiment Fields," by H. J. Snider. Ill. Agr. Expt. Sta. Bul. 539. 1950. 100 IL62B 539

Miscellany

"Agricultural Research in Texas, 1947-49." Tex. Agr. Expt. Sta. 1950. 201p. 100 T31

"American Wood-Preservers' Association, 1950. Reports of Preservatives Committees." 41p. 200.9 Am3

"An Economic Appraisal of Anhydrous Ammonia as a Nitrogenous Fertilizer," by J. P. Gaines and G. B. Crowe. Miss. Agr. Expt. Sta. Cir. 152. 1950. 100 M69C

"Effect of Storage on Yield and Quality of Sugarcane Sirup in Mississippi," by I. E. Stokes. Miss. Agr. Expt. Sta. Cir. 154. 1950. 7p. 100 M69C

"A Handbook of Peanut Growing in the Southwest." Tex. Agr. Expt. Sta. Bul. 727 and Okla. Agr. Expt. Sta. Bul. B-361. 31p. 1950. 100 T31S or 100 Ok4B

"The Identification of 76 Species of Mississippi Grasses by Vegetative Morphology," by H. W. Bennett and others. Miss. Agr. Expt. Sta. Tech. Bul. 31. 1950. 108p. 100 M69

"1951 Farm Production Prospects in Oklahoma." Okla. Agr. Expt. Sta. Mimeo. Cir. M-205. 1950. 17p. and appendix. 100 Ok4M 205

"Rabbit Production," by G. S. Templeton and C. E. Kellogg. USDA. Farmers' Bul. 1730. Revised 1950. 58p. 1 Ag84F

"Work of FAO, 1949/50. Report of the Director-General." FAO. 1950. 89p. 389.9 F375R

